

**C1D, 1-141aa, Human, His tag, E.coli**

**Cat.NO.: TP01382**

3th Edition

**Synonyms:**Nuclear nucleic acid-binding protein C1D, hC1D, LRP1, SUN-CoR, SUNCOR

**Description:**Nuclear nucleic acid-binding protein C1D, also known as C1D, plays a role in the recruitment of the RNA exosome complex to pre-rRNA to mediate the 3'-5' end processing of the 5.8S rRNA; this function may include MPHOSPH6. This protein can activate PRKDC not only in the presence of linear DNA but also in the presence of supercoiled DNA. This protein can induce apoptosis in a p53/TP53 dependent manner. Recombinant human C1D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

**Molecular Weight:**18.4kDa (164aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAGEEINEDYPVEIHEYLSAFENSIGAVDEMLKTMMMSVSRNELLQKLDPLEQ  
AKVDLV SAYTLNSMFVVYLATQGVNPKEHPVKQELERIRVYMNRVKEITDKKKAGKLDRGAASRFVKNALWEPKS  
KNASKVANKGKSKS

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.